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DIRECTORATE OF
INTELLIGENCE

Industrial Facilities
(Non-Military)

Basic Imagery Interpretation Report

Lan-chou Petroleum Refinery

Lan-chou, China



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RCS 13/0004/72
25X1
DATE OCTOBER 1971
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RCS - 13/0004/72

CENTRAL INTELLIGENCE AGENCY
 Directorate of Intelligence
 Imagery Analysis Service

INSTALLATION OR ACTIVITY NAME		COUNTRY
Lan-chou Petroleum Refinery		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
48SUQ780978	36-06-58N 103-38-16E	
MAP REFERENCE		
ACIC. USATC, Series 200, Sheet M0383-22HL, 3rd ed, Dec 68, Scale 1:200,000		
(SECRET) 25X1		
LATEST IMAGERY USED	NEGATION DATE (If required)	
	NA	25X1

NOTICE

This report provides an update of the previous basic report listed below which substantially satisfies the basic reporting requirements for the installation. Since the previous report there has been some minor construction and the dismantling of two processing units at the Lan-chou refinery. Based on recent large-scale coverage, some units have been newly identified and the functional identifications of other units have been revised. The identification of an alkylation unit and a probable catalytic reforming unit raises the estimated capacity for producing high octane gasoline. The change in functional identification of two units from crude oil distillation to solvent extraction reduces the overall estimated capacity of the refinery.

CIA. RCS-13/0195/69, Lan-chou Petroleum Refinery, Lan-chou, China, 25X1
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BASIC DESCRIPTION

As a result of large-scale photography of July 1971, the function of some units in the Lan-chou Petroleum Refinery can now be identified for the first time and the function of other units can be revised. The location and current description of all units in the refinery are shown in Figure 1. The table below shows the units which have a newly identified or revised function.

<u>Area</u>	<u>Description in Previous Report</u>	<u>Revised Description</u>
A	Unidentified Processing	Possible Blending/Treating
G	Unidentified Processing	Storage and Secondary Processing (1) Storage (2) Probable Catalytic Reforming (3) Alkylation
H	Light Ends	Gas Fractionation
M	Crude Distillation	Solvent Extraction
N	Possible Treating	Unidentified Processing and Probable Blending/Treating (1) Probable Blending/Treating (2) Unidentified Processing
O	Probable Dewaxing	Dewaxing and Probable Hydro-treating (1) Dewaxing (2) Probable Hydrotreating (being dismantled)
P	Unidentified Processing	Desalting
S	Distillation	Unidentified Processing
U	(2) Solvent Removal (3) Dewaxing (4) Clay Treatment	Clay Treatment and Shipping Shipping and Storage Probable Blending/Treating
V	Delayed Coking	Fluid Coking (being dismantled)

Since August 1968, the date of the latest photography used in the previous report, a small unidentified processing unit (Area N2) has been constructed. Also, a furnace has been added to both the dewaxing units (Area O1) and the crude oil distillation unit (Area L). The probable hydrotreating unit (Area O2) and the fluid coking unit (Area V) are being dismantled.

Identification of the alkylation and probable catalytic reforming units in Area G significantly raises the estimated capacity for producing high octane gasoline. The change in functional identification of two units in Area M from crude oil distillation to solvent extraction reduces the overall estimated capacity of the refinery. Based on the identification of processing units, the refinery produces straight-run, cracked, blended, and probably reformed gasolines in a wide range of octane ratings, kerosene, diesel and fuel oils, lubricating oils, wax, asphalt, and gaseous hydrocarbons.

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REFERENCES

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Requirement

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